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Sheet 1

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known			
Application Number	10/542972		
Filing Date	7/21/2005		
First Named Inventor	BOYCE, JILL		
Art Unit	2483		
Examiner Name	HOLDER, ANNER N.		
Attorney Docket Number	PU030319		

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		^{US-} 4870497	09/26/1989	CHAMZAS ET AL.	
		^{US-} 5371551	12/6/1994	LOGAN ET AL.	
		us- 5446759	08/29/1995	CAMPANA, JR.	
		^{US-} 5532748	07/02/1996	NAIMPALLY	
		^{US-} 5592471	01/07/1997	BRISKMAN	
		^{US-} 5703877	12/30/1997	NUBER ET AL.	
		^{US-} 5835483	11/10/1998	BISSON	
		^{US-} 6038257	03/14/2000	BRUSEWITZ ET AL.	
		^{US-} 5477263	12/19/1995	O'CALLAGHAN ET AL.	
		^{US-} 6148005	11/14/2000	PAUL ET AL.	
		^{US-} 6195024	02/27/2001	FALLON	
		^{US-} 6211926	04/03/2001	WON	
		^{US-} 7403660	07/22/2008	HANNUKSELA	
		^{US-} 6414725	07/02/2002	CLARIN ET AL.	
		^{US-} 6418549	07/09/2002	RAMCHANDRAN ET AL.	
		us- 6442622	08/27/2002	YAMAMOTO ET AL.	
		^{US-} 6480541	11/12/2002	GIROD ET AL.	
		^{US-} 6646578	11/11/2003	AU	
	1	us- 6920422	07/12/2005	KROON ET AL.	

		FORE	IGN PATENT DOCL	JMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T°
		CA1065409	10/30/1979	BAKER		
		WO00/16544	03/23/2000	ACTV, INC.		
	1	JP2001285736	10/12/2001	CANON KK	Machine Trans.	
		JP1045342	05/29/1998	SONY CORP.		√
		WO00/14967	0316/2000	KONINKLIJKE PHI		
		WO DI 174086	10/04/2001	KONINKLIJKE PHI		

Examiner	Date	
Signature	Considered	
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abstrate for form 1440/110	Application Number	10/542972	
NFORMATION DISCLOSURE	Filing Date	7/21/2005	
STATEMENT BY APPLICANT	First Named Inventor	BOYCE, JILL	
	Art Unit	2483	
(Use as many sheets as necessary)	Examiner Name	ANNER HOLDER	

Attorney Docket Number PU030319

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	<u> </u>	Number-Kind Code ^{2 (fl known)}	40/40/4000	KOOTDECT ET AL	Tigures Appear
	<u> </u>	^{US-} 5822324	10/13/1998	KOSTRESTI ET AL.	
	<u> </u>	^{US-} 6304609	10/16/2001	STEPHENS ET AL.	
		^{US-} 7003794	02/21/2006	AYRE	
		^{US-} 2002/0191712	12/19/2002	GADDAM ET AL.	
		^{US-} 2002/0191116	12/19/2002	KESSLER ET AL.	
		^{US-} 2002/0129374	09/12/2002	FREEMAN ET AL.	
		^{US-} 2002/0040481	04/04/2002	OKADA ET AL.	
		^{US-} 2002/0047902	04/25/2002	THOMAS ET AL.	
		^{US-} 2002/0067436	06/06/2002	SHIRAHAMA ET AL.	
		^{US-} 2002/0101581	08/01/2002	MURAKAWA ET AL.	
		^{US-} 2002/0136538	09/26/2002	CHEN	
		^{US-} 2002/0141740	10/03/2002	MATSUI	
		^{US-} 2004/0028228	02/12/2004	HAMADA ET AL.	
		^{US-} 2004/0162078	08/19/2004	RAMASWAMY ET AL.	
		us- 2006/0056505	03/16/2006	RAMASWAMY ET AL.	
		^{US-} 2006/0117360	06/01/2006	COOPER ET AL.	
		^{US-} 2006/0050781	03/09/2006	COOPER ET AL.	
		^{US-} 2006/0050780	03/09/2006	COOPER ET AL.	
		^{US-} 7155735	12/26/2006	NGO ET AL.	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (<i>if known</i>)	MM-DD-YYYY		Or Relevant Figures Appear	T ⁶
		EP1306992	05/02/2003	HITACHI, LTD		
		JP2000354023	12/19/2000	MITSUBISHI ELEC		V
		JP2002344838	11/29/2002	FUNAI ELEC.	Machine Trans.	L
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Complete if Known Substitute for form 1449/PTO **Application Number** 10/542972 Filing Date 7/21/2005 INFORMATION DISCLOSURE First Named Inventor BOYCE, JILL STATEMENT BY APPLICANT Art Unit 2483 (Use as many sheets as necessary) Examiner Name HOLDER, ANNER N. Attorney Docket Number PU030319 Sheet 3

			U. S. PATEN	T DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (fl known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	 	US- 6711657	03/23/2004	SEXTON ET AL.	
	 -	US-	00/20/2001		
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		FORE	IGN PATENT DOCU	MENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		R. STEELE ET AL. "TIME DIVERSITY WITH ADAPTIVE ERROR DETECTION TO COMBAT RAYLEIGH FADING IN DIGITAL MOBILE RADIO" IEEE TRANSACTIONS ON COMMUNICATIONS, IEEE INC., NEW YORK US, vol COM-31, NO. 3 March 1983, pages 378-387.	
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